20	Application No.	Applicant(s)
Notice to Comply	10/019,048 Examiner	Heinz et al.
(F)	David Guzo	1636
	REQUIREMENTS FOR PATEN SEQUENCE AND/OR AMINO	
Applicant must file the items indicate is attached to avoid abandonment uprovisions of 37 CFR 1.136(a)).	ed below within the time period set the nder 35 U.S.C. § 133 (extensions of ti	e Office action to which the Noticime may be obtained under the
The nucleotide and/or amino acid se the requirements for such a disclosu	equence disclosure contained in this a re as set forth in 37 C.F.R. 1.821 - 1.6	pplication does not comply with 825 for the following reason(s):
attention is directed to the final ro OG 29 (May 15, 1990). If the eff	comply with the requirements of 37 (ulemaking notice published at 55 FR fective filing date is on or after July 1, (June 1, 1998) and 1211 OG 82 (Jur	18230 (May 1, 1990), and 1114 1998, see the final rulemaking
 2. This application does not cont Listing" as required by 37 C.F.R. 	ain, as a separate part of the disclosu . 1.821(c).	ire on paper copy, a "Sequence
3. A copy of the "Sequence Listing 37 C.F.R. 1.821(e).	ng" in computer readable form has no	t been submitted as required by
content of the computer readable	ing" in computer readable form has be e form does not comply with the requi ned copy of the marked -up "Raw Seq	rements of 37 C.F.R. 1.822 and
and/or unreadable as indicated of	that has been filed with this application the attached CRF Diskette Problend as required by 37 C.F.R. 1.825(d).	
☐ 6. The paper copy of the "Seque "Sequence Listing" as required b	nce Listing" is not the same as the copy 37 C.F.R. 1.821(e).	mputer readable from of the
7. Other:		
Applicant Must Provide: ☑ An initial or substitute computer i	readable form (CRF) copy of the "Seq	uence Listing".
	y of the "Sequence Listing", as well ry into the application.	as an amendment
	of the paper and computer readable as required by 37 C.F.R. 1.821(e) or	
For questions regarding compl	iance to these requirements of	ease contact:

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216 or (703) 308-2923

For CRF Submission Help, call (703) 308-4212 or 308-2923

Patentin Software Program Support

Technical Assistance......703-287-0200

To Purchase Patentin Software......703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY



STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	/0/0/9.048A
Source:	154/6
Date Processed by STIC:	4/7/06
- ·	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
 U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street,
 Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10/0/9,048A							
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE								
IWrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."							
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.							
Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.							
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.							
5Variable Length	Sequence(s)contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.							
6Patentin 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.							
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.							
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000							
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.							
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)							
11Use of <220>	Sequence(s)missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown. Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules							
Patentin 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.							
13 Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid							

Vlease consult Sequera Rules

Jo valid format



IFW16

RAW SEQUENCE LISTING PATENT APPLICATION: US/10/019,048A DATE: 04/07/2006 TIME: 10:25:46

Input Set : N:\SMITH\PTO.TS.14.txt Output Set: N:\CRF4\04072006\J019048A.raw

3 <140> CURRENT APPLICATION NUMBER: US/10/019,048A

0 <160> NUMBER OF SEQ ID NOS:

<170> SOFTWARE: PatentIn Vers. 3.3

ERRORED SEQUENCES

5 <210> SEQ ID NO: 1 6 <211> LENGTH: 2012 7 <212> TYPE: DNA 8 <213> ORGANISM: Physcomitrella patens 10 <220> FEATURE: 11 <221> NAME/KEY: CDS

Does Not Comply Corrected Diskette Needed

12 <222> LOCATION: (319)..(1896)

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19 tacctccggg ttttggagcg ggcaaactct gttgcggctc ggaaggctat aggttcggca 180
21 ggagactgtt gattttatgt cgggggcatt gccattgtgg agagcggggg agactcagga 240
23 tetgtgagtg tgcgtgcage geecegactg cegeagageg tetgtgtatg aegaggttgt 300
25 tgtggagcgg cttttgaa atg gta ttc gcg ggc ggt gga ctt cag cag ggc
                       Met Val Phe Ala Gly Gly Gly Leu Gln Gln Gly
29 tot oto gaa gaa aac ato gac gto gag cac att goo agt atg tot oto
30 Ser Leu Glu Glu Asn Ile Asp Val Glu His Ile Ala Ser Met Ser Leu
               15
                                    20
33 ttc agc gac ttc ttc agt tat gtg tct tca act gtt ggt tcg tgg agc
34 Phe Ser Asp Phe Phe Ser Tyr Val Ser Ser Thr Val Gly Ser Trp Ser
                               35
           30
37 gta cac agt ata caa cct ttg aag cgc ctg acg agt aag aag cgt gtt
                                                                     495
38 Val His Ser Ile Gln Pro Leu Lys Arg Leu Thr Ser Lys Lys Arg Val
39
       45
                            50
41 tcg gaa agc gct gcc gtg caa tgt ata tca gct gaa gtt cag aga aat
42 Ser Glu Ser Ala Ala Val Gln Cys Ile Ser Ala Glu Val Gln Arg Asn
45 teg agt acc cag gga act geg gag gea etc gea gaa tea gte gtg aag
46 Ser Ser Thr Gln Gly Thr Ala Glu Ala Leu Ala Glu Ser Val Val Lys
                   80
                                       85
47
49 ccc acg aga cga agg tca tct cag tgg aag aag tcg aca cac ccc cta
50 Pro Thr Arg Arg Ser Ser Gln Trp Lys Lys Ser Thr His Pro Leu
               95
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100

51

RAW SEQUENCE LISTING DATE: 04/07/2006 PATENT APPLICATION: US/10/019,048A TIME: 10:25:46

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Output Set: N:\CRF4\04072006\J019048A.raw

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54	Ser	Glu	Val	Ala	Val	His	Asn	Lys	Pro	Ser	Asp	Cys	Trp	Ile	Val	Val	
55			110					115					120				
57	aaa	aac	aag	gtg	tat	gat	gtt	tcc	aat	ttt	gcg	gac	gag	cat	ccc	gga	735
58	Lys	Asn	Lys	Val	Tyr	Asp	Val	Ser	Asn	Phe	Ala	Asp	Glu	His	Pro	Gly	
5 9	-	125	_		_	_	130					135				_	
61	gga	tca	gtt	att	agt	act	tat	ttt	gga	cga	gac	ggc	aca	gat	gtt	ttc	783
62	Gly	Ser	Val	Ile	Ser	Thr	Tyr	Phe	Gly	Arg	Asp	Gly	Thr	Asp	Val	Phe	
63	140					145					150					155	
65	tct	agt	ttt	cat	gca	gct	tct	aca	tgg	aaa	att	ctt	caa	gac	ttt	tac	831
66	Ser	Ser	Phe	His	Ala	Ala	Ser	Thr	Trp	Lys	Ile	Leu	Gln	Asp	Phe	Tyr	
67					160					165					170		
69	att	ggt	gac	gtg	gag	agg	gtg	gag	ccg	act	cca	gag	ctg	ctg	aaa	gat	879
							Val										
71		-		175					180					185			
73	ttc	cga	gaa	atg	aga	gct	ctt	ttc	ctg	agg	gag	caa	ctt	ttc	aaa	agt	927
74	Phe	Arg	Glu	Met	Arg	Ala	Leu	Phe	Leu	Arg	Glu	Gln	Leu	Phe	Lys	Ser	
75			190					195					200				
							atg										975
78	Ser	Lys	Leu	Tyr	Tyr	Val	Met	Lys	Leu	Leu	Thr	Asn	Val	Ala	Ile	Phe	
79		205					210					215					
81	gct	gcg	agc	att	gca	ata	ata	tgt	tgg	agc	aag	act	att	tca	gcg	gtt	1023
82	Ala	Ala	Ser	Ile	Ala	Ile	Ile	Cys	Trp	Ser	Lys	Thr	Ile	Ser	Ala	Val	
83	220					225					230					235	
85	ttg	gct	tca	gct	tgt	atg	atg	gct	ctg	tgt	ttc	caa	cag	tgc	gga	tgg	1071
86	Leu	Ala	Ser	Ala	Cys	Met	Met	Ala	Leu	Cys	Phe	Gln	Gln	Cys	Gly	Trp	
87					240					245					250		
				_			cac		_					_			1119
	Leu	Ser	His	_	Phe	Leu	His	Asn		Val	Phe	Glu	Thr	_	Trp	Leu	
91				255					260					265			
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	Asn	Glu		Val	Gly	Tyr	Val		Gly	Asn	Ala	Val		Gly	Phe	Ser	
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							aag										1215
	Thr		Trp	Trp	Lys	GIu	Lys	HIS	Asn	Leu	HIS		Ala	Ala	Pro	Asn	
99		285					290					295					1060
																ctc	1263
			Asp	GII	i ini	_		Pro	, ite	Asp			TIE	ASP	ini	Leu 315	
	300					305					310						1211
				_		_	_	_		_	_		_			aag	1311
		reu	116	. Ald	320		гув	Asp	116	325		1111	vaı	GIU	330	Lys	
107		++-	++~					+ 20				++~	++~	3+0		ctg	1359
			-	_					_		_			_		Leu	1333
111	1111	PIIE	neu	335		Leu	GIII	TÄT	340		DÇu	FILE	FILE	345		nen	
	tta	+++	tta			aat	ant	taa			taa	ago	tac			acc	1407
																Thr	140/
115	TEN	FIIC	350		. ALY	GLY	261	355			·νρ	261	360		- 7 -		
	tet	202			ctc	tra	cct			agg	tta	tta			aas	act	1455
11/	LUL	aca	yca	3.3		cca	UUL	900	gac	~99	ccg	ccg	203	~ay	339	act	1433

RAW SEQUENCE LISTING DATE: 04/07/2006 PATENT APPLICATION: US/10/019,048A TIME: 10:25:46

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Output Set: N:\CRF4\04072006\J019048A.raw

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118 Ser Thr Ala Val Leu Ser Pro Val Asp Arg Leu Leu Glu Lys Gly Thr
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                              365
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             121 gtt ctg ttt cac tac ttt tgg ttc gtc ggg aca gcg tgc tat ctt ctc
                                                                                                                                                                       1503
             122 Val Leu Phe His Tyr Phe Trp Phe Val Gly Thr Ala Cys Tyr Leu Leu
                                                                 385
                                                                                                             .390
             125 cct qqt tgg aag cca tta gta tgg atg gcg gtg act gag ctc atg tcc
             126 Pro Gly Trp Lys Pro Leu Val Trp Met Ala Val Thr Glu Leu Met Ser
             127
                                                         400
                                                                                                     405
             129 qqc atq ctq qtq ttt gta ttt gta ctt agc cac aat ggg atg gag
                                                                                                                                                                       1599
             130 Gly Met Leu Leu Gly Phe Val Phe Val Leu Ser His Asn Gly Met Glu
                                                                                             420
             133 gtt tat aat tog tot aaa gaa tto gtg agt goa cag ato gta too aca
             134 Val Tyr Asn Ser Ser Lys Glu Phe Val Ser Ala Gln Ile Val Ser Thr
                                                                                                                                440
                                       430
                                                                                   435
             137 egg gat ate aaa gga aac ata tte aac gae tgg tte act ggt gge ett
                                                                                                                                                                       1695
             138 Arg Asp Ile Lys Gly Asn Ile Phe Asn Asp Trp Phe Thr Gly Gly Leu
                                                                          450
                                                                                                                       455
             141 aac agg caa ata gag cat cat ctt ttc cca aca atg ccc agg cat aat
             142 Asn Arg Gln Ile Glu His His Leu Phe Pro Thr Met Pro Arg His Asn
                                                                 465
                                                                                                              470
             143 460
             145 tta aac aaa ata gca cct aga gtg gag gtg ttc tgt aag aaa cac ggt
                                                                                                                                                                       1791
             146 Leu Asn Lys Ile Ala Pro Arg Val Glu Val Phe Cys Lys Lys His Gly
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                                                                                                     485
             149 ctg gtg tac gaa gac gta tct att gct acc ggc act tgc aag gtt ttg
             150 Leu Val Tyr Glu Asp Val Ser Ile Ala Thr Gly Thr Cys Lys Val Leu
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                                                                                            500
             153 aaa qca ttg aag gaa gtc gcg gag gct gcg gca gag cag cat gct acc
                                                                                                                                                                       1887
             154 Lys Ala Leu Lys Glu Val Ala Glu Ala Ala Glu Gln His Ala Thr
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                                      510
                                                                                                                               520
             157 acc agt taa cagtetttgg aaagettgge aattgatett tatteteeac
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             158 Thr Ser
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161 ggcagttgct tgtttgttt 5322
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273 <211> LENGTH: 6
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W--> 277 <400> 3
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S mesalgred arrest acid humbury (see term 3 or
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                              525
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 W--> 286 <223 > OTHER INFORMATION:
                                                                   su p.4
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RAW SEQUENCE LISTING

DATE: 04/07/2006

PATENT APPLICATION: US/10/019,048A

TIME: 10:25:46

Input Set : N:\SMITH\PTO.TS.14.txt Output Set: N:\CRF4\04072006\J019048A.raw

envaled rucleic acid designation W--> 286 <400> 4 E--> 287 tggtggaart ggamicayaa

352 <210> SEQ ID NO: 12

353 <211> LENGTH: 60 354 <212> TYPE: DNA

) see p. 6 355 <245 ORGANISM: Unknown W--> 357 (220> FEATURE:

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358 gtcgacccgc ggactagtgg gccctctaga cccgggggat ccggatctgc tggctatgaa 60

W--> 371/HEINZ et al.

B--> 372/s.n. 10/019,048

E--> 373 notice to comply 03/28/2006

B--> 375 1

see gr 7-8

SEQUENCE LISTING

(1/07)

Liseit there

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(1/307)

Mardatory.

(1/407)

Liseit there

SEQUENCE LISTING

(1/407)

Listing

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RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/019,048A

DATE: 04/07/2006 TIME: 10:25:47

FYI

Input Set : N:\SMITH\PTO.TS.14.txt

Output Set: N:\CRF4\04072006\J019048A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23 Seq#:1; Line(s) 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43 Seq#:1; Line(s) 44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63 Seq#:1; Line(s) 64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83 Seq#:1; Line(s) 84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102 Seq#:1; Line(s) 103,104,105,106,107,108,109,110,111,112,113,114,115,116,117 Seq#:1; Line(s) 118,119,120,121,122,123,124,125,126,127,128,129,130,131,132 Seq#:1; Line(s) 133,134,135,136,137,138,139,140,141,142,143,144,145,146,147 Seq#:1; Line(s) 148,149,150,151,152,153,154,155,156,157,158,159,160,161,162 Seg#:1; Line(s) 163,164,165,166 Seq#:2; Line(s) 167,168,169,170,171,172,173,174,175,176,177,178,179,180,181 Seq#:2; Line(s) 182,183,184,185,186,187,188,189,190,191,192,193,194,195,196 Seq#:2; Line(s) 197,198,199,200,201,202,203,204,205,206,207,208,209,210,211 Seq#:2; Line(s) 212,213,214,215,216,217,218,219,220,221,222,223,224,225,226 Seq#:2; Line(s) 227,228,229,230,231,232,233,234,235,236,237,238,239,240,241 Seq#:2; Line(s) 242,243,244,245,246,247,248,249,250,251,252,253,254,255,256 Seq#:2; Line(s) 257,258,259,260,261,262,263,264,265,266,267,268,269,270,271 Seg#:2; Line(s) 272 Seg#:3; Line(s) 274,277,281 Seq#:4; Line(s) 286,290 Seq#:5; Line(s) 295,299 Seq#:6; Line(s) 304,308 Seq#:7; Line(s) 313,317 Seq#:8; Line(s) 322,326 Seq#:9; Line(s) 331,335 Seq#:10; Line(s) 340,344 Seq#:11; Line(s) 349,352 en explanation Seq#:12; Line(s) 357

Use of <220> Feature (NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32) (Sec.1.823 of new Rules)

Seq#:3,4,5,6,7,8,9,10,11,12

PatentIn 2.0 "bug":

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corresped file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

10/019,048A

<210> 5

<211> 17

<212> DNA

<213>Unknown

pelde explanation - see P. 6

<400> 5

ggraanarrt grtgytc

seep. 8

17



VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/10/019,048A

DATE: 04/07/2006 TIME: 10:25:47

MI

Input Set : N:\SMITH\PTO.TS.14.txt

Output Set: N:\CRF4\04072006\J019048A.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seg#:5; N Pos. 6

VERIFICATION SUMMARY DATE: 04/07/2006
PATENT APPLICATION: US/10/019,048A TIME: 10:25:47

Input Set : N:\SMITH\PTO.TS.14.txt

Output Set: N:\CRF4\04072006\J019048A.raw

```
L:3 M:270 C: Current Application Number differs, Missing <140> CURRENT APPLICATION NUMBER: is
L:0 M:282 E: Numeric Field Identifier Missing, <160> is required.
L:0 M:282 E: Numeric Field Identifier Missing, <110> is required.
L:0 M:282 E: Numeric Field Identifier Missing, <120> is required.
L:277 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>
ORGANISM: Unknown
L:277 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>
ORGANISM: Unknown
L:277 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3, Line#:277
L:279 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3
L:286 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213>
ORGANISM: Unknown
L:286 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213>
ORGANISM: Unknown
L:286 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4; Line#:286
L:287 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:295 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:5, <213>
ORGANISM: Unknown
L:295 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>
ORGANISM: Unknown
L:295 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:295
L:296 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:5
L:296 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:5
L:296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:304 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213>
ORGANISM: Unknown
L:304 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>
ORGANISM: Unknown
L:304 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:304
L:313 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:7, <213>
ORGANISM: Unknown
L:313 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213>
ORGANISM: Unknown
L:313 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7, Line#:313
L:322 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:8, <213>
ORGANISM: Unknown
L:322 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:8, <213>
ORGANISM: Unknown
L:322 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:322
L:331 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:9, <213>
ORGANISM: Unknown
L:331 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:9, <213>
ORGANISM: Unknown
L:331 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9, Line#:331
L:340 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>
ORGANISM: Unknown
L:340 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>
ORGANISM: Unknown
L:340 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:340
L:349 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>
ORGANISM: Unknown
L:349 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>
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ORGANISM: Unknown

L:349 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:349 L:357 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>

ORGANISM: Unknown

L:357 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213> ORGANISM:Unknown

L:357 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:357

L:371 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:3

L:372 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:12

L:372 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:12

L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:60

L:372 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12

L:372 M:254 E: No. of Bases conflict, LENGTH:Input:19 Counted:66 SEQ:12

L:372 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:9

L:372 M:112 C: (48) String data converted to lower case,

M:341 Repeated in SeqNo=12

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M:254 Repeated in SeqNo=12

L:373 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:13

M:112 Repeated in SeqNo=12

L:375 M:252 E: No. of Seq. differs, <211> LENGTH:Input:60 Found:82 SEQ:12

L:0 M:203 E: No. of Seq. differs, <160> Number Of Sequences: Input (0) Counted (12)